Getting Started

THANK YOU FOR PURCHASING THE NAV ONE 2500 SYSTEM.

The following items should be in the package:

1. The NAV ONE system unit.
2. A mounting bracket with suction cup.
3. A 12-volt fused power cord.
4. A 120-Volt Adapter.
5. A foam cushion strip.
6. This Manual.
7. Product registration card. (Or register online at www.cobra.com)

ABOUT THE NAV ONE SYSTEM

Your unit is complete with a map of the entire United States and Canada as well as a database of millions of points of interest to help you navigate your vehicle.

Except for the **Power** and **Custom** function buttons, all the controls are available with a few touches of the screen.

However, do not rely entirely on the unit while driving and keep in mind the accompanying Important Information.

MORE INFORMATION

These Operating Instructions combined with the intuitive nature of the controls should have you up and running quickly. For online support, visit www.cobra.com.

TRY IT OUT

Using the NAV ONE is the most effective way to learn about it. View the demonstration program by choosing:

Menu ··▸ Settings ··▸ Demo

Then don't hesitate to explore your own entries to see how they work.

There are provisions to delete entries and, if things get really tangled up, the factory defaults can be reset using the sequence:

Menu ··▸ Settings ··▸ System ··▸ Reset Factory Defaults

With the **SmartPower** feature turned on, a NAV ONE unit plugged into a power port that does not turn off with the ignition, will not drain the vehicle's battery. The factory setting is on.

SmartPower shuts the system down when there is a combination of no vehicle motion and no button press for 15 minutes.

With **SmartPower** off, the system continues to operate until it is turned off with the **Power** button (or with the ignition if the power port is connected to it).

NOTE: Product graphics and operation subject to change without notice.

Important Information

Your safety is important. Please read all warnings and cautions before installing and using the Cobra NAV ONE system.

The user is responsible for operating this product wisely. This NAV ONE unit is intended for use only as a navigational aid and should not be relied upon to the exclusion of other information. Be aware of conditions around the vehicle and compare them to the information provided by the NAV ONE system.

CAUTION

Observe the following precautions to avoid damage to the unit or personal inconvenience.

- This unit is not waterproof. Do not allow liquids to splash on it nor expose it to rain during operation or transfer from vehicle to vehicle.
- The Global Positioning System is provided and operated by the U.S. government, which is solely responsible for its accuracy and maintenance. That system is subject to changes, which could affect the accuracy and performance of this NAV ONE unit.
- The NAV ONE's map database provides information on suggested routes without regard to some factors that may affect the user's driving experience. For example, the system does not reflect all road detours, closures or construction, some road characteristics (such as road surface, slope or grade, weight or height restrictions, etc.), weather conditions and similar factors. Use personal judgment or the navigation system's detour function to develop an alternate route if necessary.

WARNING

Avoid the following hazardous situations that could result in a collision causing severe injury or death.

- **DO NOT** substitute this NAV ONE for personal judgment. The route suggestions should never supersede any local traffic regulation, personal judgment or knowledge of safe driving practices. Before making any maneuvers suggested by the NAV ONE system (for example, a U-turn or a left turn), verify that the maneuver can be legally and safely completed. Do not follow route suggestions that would take the vehicle into an unsafe situation or locality.
- **DO NOT** program this NAV ONE while driving. Only a passenger should operate controls or program the unit while the vehicle is in motion. The driver should not program the system unless the vehicle is parked in a safe location.
- **DO NOT** depend on this NAV ONE system to locate emergency services (such as police, fire stations, hospitals and clinics). The database may not include all emergency service providers. Use judgment and ask for directions in these situations.
- **DO NOT** disassemble or modify the system. If a problem occurs, stop using the system immediately and contact Cobra.
- **DO NOT** be distracted by the NAV ONE. **DO** position the unit so it can be seen at a glance when safe to do so. **DO** listen to the voice guidance. **DO** set the volume so you can hear outside traffic and emergency services alarms.

WARNING

This product, its packaging and components contain chemicals known to the State of California to cause cancer, birth defects, or reproductive harm.

Installation

INSTALLATION

The NAV ONE can be easily mounted to the vehicle's windshield with the included bracket and suction cup. Or, an alternative secure mounting can be used.

Put the unit where it is visible at a glance.

Let the antenna "see" the sky.

It is important that the NAV ONE antenna in the top of the unit can "see" the sky. Radio signals from the GPS satellites are weak and cannot penetrate solid portions of a vehicle's structure.

When the NAV ONE has been unused for several days, or has been moved more than 500 miles, it can take 15 minutes to acquire satellites. Leaving the unit on for 20 minutes in this case will allow faster acquisitions after that.

IMPORTANT: Check www.cobra.com for software updates.

WARNING

Observe the following measures to prevent a collision or other condition that could cause serious injury or death.

- **DO NOT** position the unit in a location that obstructs the driver's view of the road or vehicle instruments or controls.
- **DO NOT** mount the unit over airbag panels or within airbag expansion spaces. The force of an expanding airbag can thrust objects in its path toward the driver or passengers with injurious result.
- **DO NOT** drive the vehicle unless the unit is securely attached to the windshield with the supplied bracket and suction cup or is fastened by other reliable means to keep it from becoming a projectile hazard inside the vehicle in the event of a violent maneuver or collision.

NOTE

California prohibits attachment of any articles to windshields or side or rear windows. Drivers in California should use the dash mounting disk or another secure mount.

Users should determine if any similar restrictions apply to jurisdictions where they drive.

To secure and connect the NAV ONE:

1. Clean the mounting area using window cleaner or rubbing alcohol.
2. Separate the mounting bracket from the unit.
3. Firmly press the suction cup against the windshield by applying pressure to the suction cup base.
4. Maintain firm pressure on the suction cup base and flip the lock lever down toward the base.
5. Test the suction cup adhesion by pulling firmly on the bracket. It should not wiggle.
6. Attach the unit to the bracket by sliding the slot in the bottom of the unit over the bracket until the locking tab clicks.
7. Adjust the unit position using the knobs and tighten securely.
8. If the unit will rest on the dash or might contact it, apply the foam strip to the bottom of the unit to protect the dash.
9. Plug the power cord into the unit and the vehicle's 12-volt power port.

To Remove Nav One:

Depress the locking tab and slide the unit toward you to temporarily remove the unit when the vehicle is parked to prevent theft or heat damage.

The bracket can be left attached to the windshield for quick reinstallation of the unit.

Controls, Indicators and System Overview

Power Button (on side of unit)

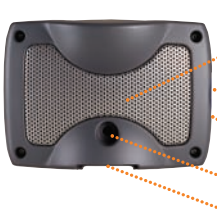
- Press to turn the unit on. Press and hold to turn it off.
- **SmartPower** default is on. See description on page 2.

Menu Key (User Programmable Key)

- Press to quickly bring up a frequently used function you have chosen. (Default function is "Menu.")
- Press and hold to enable a change from the chosen function to any other on the available list.

Illuminated Touch Screen

- Touch the on-screen buttons and icons to activate unit functions.



Speaker

SD Card Memory Slot for optional Premium Travel Content Data Cards. Also will take optional wireless technology enabled SD Card for expanding connectivity with future Cobra accessories.

USB Port (for software/map updates and optional traffic receiver).

Power Connector

Bracket Mounting Slot

SYSTEM OVERVIEW

When the NAV ONE is turned on, an opening message and a safety warning are shown.

NAV ONE
WARNING
ENGLISH
FRANCIAS
ESPANOL
DO NOT PROGRAM OR ADJUST THIS UNIT WHILE DRIVING. FAILURE TO OBSERVE ROAD CONDITIONS COULD CAUSE PROPERTY DAMAGE, INJURY OR DEATH. SAFE AND LAWFUL VEHICLE USE IS THE DRIVER'S RESPONSIBILITY. THIS UNIT IS FOR GUIDANCE ASSISTANCE ONLY. DISREGARD ANY HAZARDOUS OR UNLAWFUL ROUTE SUGGESTIONS.
CONTINUE >
Cobra

LANGUAGE CHOICES

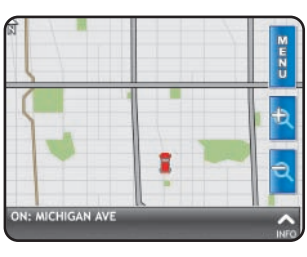
At this display, the user has the opportunity to change the language from English to French or Spanish.

Continuation from the warning message depends on whether or not a navigation was in progress when the unit was last turned off.

NAVIGATION WAS IN PROGRESS

System in **Navigation** Mode

NAVIGATION WAS NOT IN PROGRESS



System in **View** Mode

NOTE

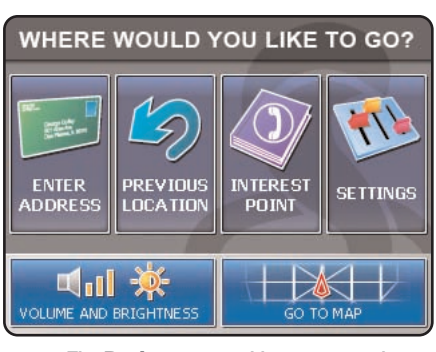
Menu can be pressed at any time to select a destination and switch to the **Navigation** mode.

Menu Access

MENU

Menu is the starting point for all system features. Just touch the on-screen buttons to progress from step to step. To access "Menu", press the Menu Key to the right of the screen. (Note: User Programmable Key may be customized at a later date.)

BASIC



The **Basic** menu provides access to the most frequently used tools.

Either the **Basic** or the **Advanced** menu will appear. You can choose between them in the **Settings** menu. The factory default setting is **Basic** menu.

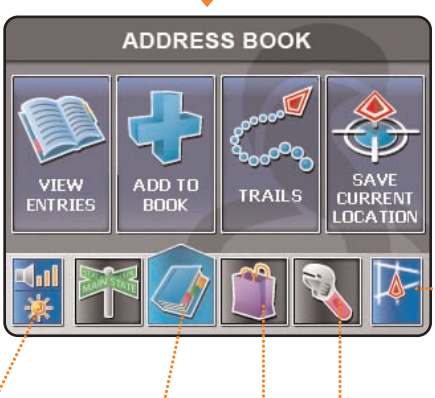
ADVANCED

WARNING

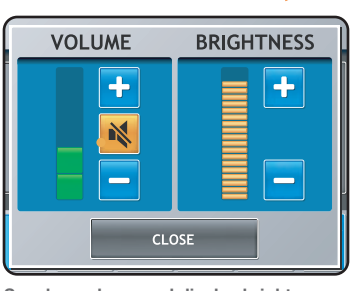
DO NOT program this NAV ONE while driving. Only a passenger should operate controls or program the unit while the vehicle is in motion. The driver should not program the system unless the vehicle is parked in a safe location.

The **Advanced** menu provides all the tools available on the NAV ONE. The **Destination Address** menu is shown. Press the buttons on the bottom of the touch screen to slide to other functions.

Address allows entry of a destination address. For more advanced destination choices, switch to Advanced Mode.



GO TO MAP



Speaker volume and display brightness are adjusted using the + and – buttons on the touch screen. The button between the + and – **Volume** buttons toggles the system between mute and un-mute without affecting the volume setting.

SYSTEM provides four utilities:

- **Settings** allows you to customize the NAV ONE to your preferences:
  - **System** adjusts settings including time zone and key click sounds.
  - **Map** lets you set your preferred appearance of the map including vehicle icon, map direction and view angle.
- **Demo** provides an interactive demonstration of the NAV ONE and all its features.
- **Help** gives tips on using features of the NAV ONE.
- **System Information** provides information about the system software version and similar items.

ADDRESS BOOK allows entry and storage of addresses:

- **View Entries** lets you see the entries you've made and quickly choose from them.
- **Add to Book** lets you enter addresses using an on-screen keyboard.
- **Save Current Location** quickly adds the current location to the address book.

FIND INTEREST POINTS allows choice of a destination from millions of interest points in the NAV ONE database. Telephone numbers are included with addresses. Points can be found in any of four ways:

- **Name Search** lets you spell out the name of a place using an on-screen keyboard.
- **Category Search** lets you choose categories, such as lodging, to quickly narrow your search.
- **Favorite Brands** lets you select a specific brand of interest points to save as a favorite.
- **City Name** allows you to route to a city by name, without entering a specific address.

CUSTOMER ASSISTANCE

Should you encounter any problems with this product or its many features, please refer to these instructions For further assistance after reading these instructions, Cobra Electronics offers the following customer assistance services:

FOR ASSISTANCE IN THE U.S.A.

- **Automated Help Desk** (English only) 24 hours a day, 7 days a week at 773-889-3087 (phone).
- **Customer Assistance Operators** (English and Spanish) 8:00 a.m. to 6:00 p.m. Central Time, Mon. through Fri. (except holidays) at 773-889-3087 (phone).
- **Questions** (English and Spanish) Faxes can be received at 773-622-2269 (fax).
- **Technical Assistance** (English only) www.cobra.com (on-line: Frequently Asked Questions).
- **Technical Assistance** (English and Spanish) product info@cobra.com (e-mail).

FOR ASSISTANCE OUTSIDE THE U.S.A.

- Contact the local dealer

For more information or to order any of our products, please visit our website: **www.cobra.com**

THE COBRA LINE OF QUALITY PRODUCTS INCLUDES:

CB RADIOS
MICROTALK® RADIOS
RADAR/LASER DETECTORS
SAFETY ALERT® TRAFFIC WARNING SYSTEMS
HANDHELD GPS RECEIVERS
MOBILE GPS NAVIGATION SYSTEMS
HIGHGEAR® ACCESSORIES
COBRAMARINE® VHF RADIOS
MARINE CHARTPLOTTERS
POWER INVERTERS
ACCESSORIES

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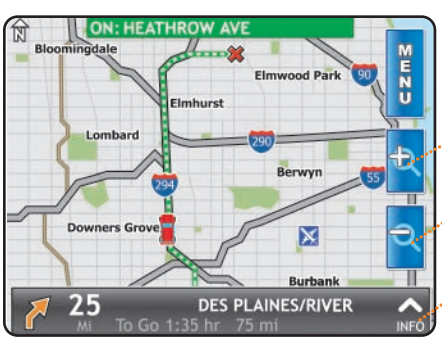
Chicago, Illinois 60707

Navigation

NAVIGATION

After a destination is selected, the NAV ONE lets you preview and choose from multiple route possibilities. As soon as one is chosen, the **Map** is shown in **Navigation** mode.



Zooms in to show less area, but more detail.

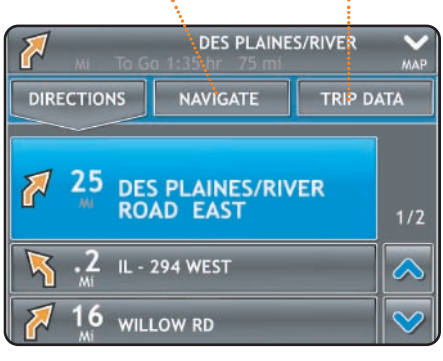
Zooms out to show more area, but less detail.

Shows route info and options.

In Navigation mode, the Map shows the vehicle icon in relation to the surrounding streets as well as next maneuver information. Touch the INFO button for more information and route options.

NAVIGATE allows recalculation of the route during a trip: to detour, for example, or to stop navigation altogether.

TRIP DATA provides information on the current or completed trip including mileage, speed and time.



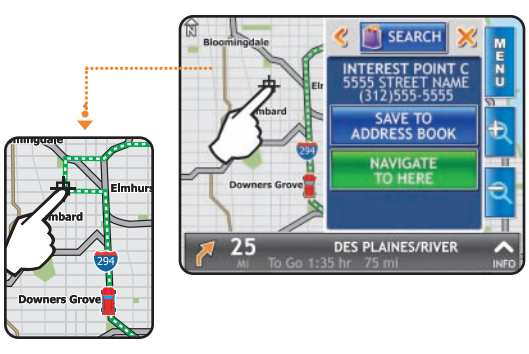
Selecting a Point on the Map and Panning the Map

SELECTING A POINT ON THE MAP

Touch the **Map** at any point to bring up a **Point** window with a list of possible actions related to where you've touched.

The **Point** window also provides options to:

- Quickly zoom from street to neighborhood to state levels.
- Determine the latitude and longitude of a point.
- View Interest Points



PANNING THE MAP

You can easily view areas that are currently off the **Map**. Touch the screen at any point and quickly drag your finger in the direction you want the **Map** to move.

Recenter Button

Touch the Recenter button to move the end point of the screen and drag to the center of the Map.

The Recenter button will recenter the map on the current GPS location.

WARNING

DO NOT program this NAV ONE while driving. Only a passenger should operate controls or program the unit while the vehicle is in motion. The driver should not program the system unless the vehicle is parked in a safe location.

Optional Accessories and Product Service

OPTIONAL ACCESSORIES

Optional accessories and map database updates are available.

- Real-Time Traffic (Optional Receiver/Subscription necessary).

  With optional traffic receiver, receive up-to-date traffic information to help you avoid congested roads or traffic incidents. View color-coded speeds and traffic incidents along your route. Re-route around congestion. View constantly updated ETA based on current traffic. Traffic and incident reports are provided through Traffic Message Channels over FM radio Data System, currently covering 49 major metro areas (as of 01/06).

- Premium Travel Content SD Data Cards.

For more information about optional accessories and how to order them, please visit **www.cobra.com** or call 1-773-889-3087, 8:00 am - 6:00 pm Central Time, Monday through Friday (except holidays).

PRODUCT SERVICE

For any questions about operating or installing this new Cobra product, or if parts are missing …**PLEASE CALL COBRA FIRST**…do not return this product to the store.

If this product should require factory service, please call Cobra first before sending the product. This will ensure the fastest turnaround time on any repair. If Cobra asks that the product be sent to its factory, the following must be furnished to have the product serviced and returned:

1. For Warranty Repair, include some form of proof-of-purchase, such as a reproduction or carbon of a sales receipt. Make sure the date of purchase and product model number are clearly readable. If the originals are sent, they cannot be returned.
2. Send the entire product.
3. Enclose a description of the product malfunction, a typed or clearly printed name and address of where the product is to be returned and a phone number (required for shipment).
4. Pack the product securely to prevent damage in transit. If possible, use the original packing material.
5. Ship prepaid and insured by way of a traceable carrier such as United Parcel Service (UPS) or Priority Mail (to avoid loss in transit) to: **Cobra Factory Service, Cobra Electronics Corporation, 6500 West Cortland Street, Chicago, Illinois 60707 U.S.A.**
6. If the product is in warranty, upon receipt of the product, it will either be repaired or exchanged depending on the model. Please allow approximately 3 – 4 weeks before contacting Cobra for status. If the product is out of warranty, a letter will automatically be sent with information as to the repair charge or replacement charge.

For any questions, please call 773-889-3087 for assistance.

Maintenance, FCC and Troubleshooting

MAINTENANCE

Very little maintenance is required to keep this NAV ONE system in good operating condition.

- Keep the unit components clean by wiping with a soft cloth. Do not use solvents, glass cleaners or harsh or abrasive products that could damage the case or scratch the display screen.
- Protect the unit from moisture and from being dropped or struck by hard objects to prevent damage.
- Consult the Cobra website (www.cobra.com) for the latest software and database updates.

FCC COMPLIANCE

This device complies with Part 15 of the FCC interference limits for Class B digital devices for home or office use. These limits are designed to provide more reasonable protection against harmful interference in a residential installation and are more stringent than "outdoor" requirements.

Operation of this device is subject to the following conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to the NAV ONE system may void its compliance with FCC rules and make its use illegal.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE(S)	SOLUTION(S)
Display does not power up.	Power switch is turned off.	Turn the unit on with the **Power** button.
	Fuse in 12-volt power cord is blown.	Check for green LED on 12-volt power plug. Unscrew the fuse holder, inspect the fuse and replace it if blown.
	No voltage is present at the vehicle's power port.	Troubleshoot vehicle wiring. NOTE for some power points, ignition key must be at RUN position for the point to be energized.
"No satellite signal" appears on the display at power up.	GPS antenna cannot "see" the sky.	Move vehicle to open area and make sure the GPS antenna has a clear view of the sky.
System does not reflect movement while driving.	GPS is not working properly.	Turn unit off, then on to check for satellite signal. If the "no satellite signal" message appears, go to the previous step. If the unit is receiving a signal, go to the next step.
Vehicle motion is not evident or the Map is blank.	Geographic area is not fully mapped.	Drive to a main road. If the map shows the road, the system is working properly, but the area is not fully mapped.
	Map is zoomed in too far.	Zoom out.

Warranty

WARRANTY

COBRA ELECTRONICS CORPORATION warrants that its Cobra NAV ONE, and the component parts thereof, will be free of defects in workmanship and materials for a period of one year from the date of first consumer purchase. This warranty may be enforced by the first consumer purchaser, provided that the product is utilized within the U.S.A.

Cobra will, without charge, repair or replace, at its option, defective NAV ONE products or component parts upon delivery to the Cobra Factory Service Department, accompanied by proof of the date of first consumer purchase, such as a duplicated copy of a sales receipt. The consumer must pay any initial shipping charges required to ship the product for warranty service, but the return charges will be at Cobra's expense, if the product is repaired or replaced under warranty.

This warranty gives the consumer specific rights, and he or she may also have other rights which vary from state to state.

EXCLUSIONS – THIS LIMITED WARRANTY DOES NOT APPLY:

1. To any product damaged by accident;
2. In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs;
3. If the serial number has been altered, defaced or removed;
4. If the owner of the product resides outside the U.S.A.

All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited in duration to the length of this warranty. Cobra shall not be liable for any incidental, consequential or other damages; including, without limitation, damages resulting from loss of use or cost of installation. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to some consumers.

NOTE

Cobra makes no warranty as to the accuracy or completeness of the map data in the NAV ONE and disclaims any and all express, implied or statutory warranties, including any implied warranty of merchantability or fitness for a particular purpose.

It is the user's responsibility to use this product prudently. This product is intended to be used only as a travel aid and must not be used for any purpose requiring precise measurement of direction, distance, location or topography.

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Cobra encourages customers to report any errors found in our electronic maps by contacting technical assistance (available in English and Spanish) at **product info@cobra.com** (e-mail), by visiting our website: **www.cobra.com**, or by calling customer assistance (available in English and Spanish) at **773-889-3087** between 8:00 a.m. and 6:00 p.m. Central Time, Monday through Friday (except holidays).

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TRADEMARK ACKNOWLEDGEMENT

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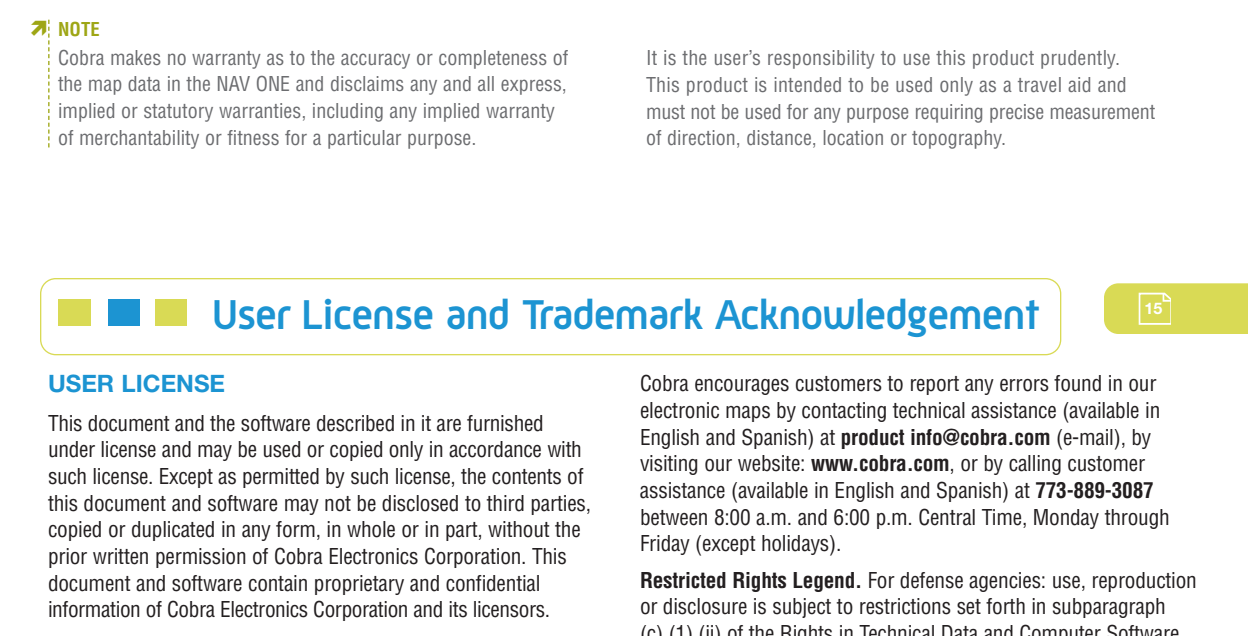
OPERATING INSTRUCTION MANUAL

NAV ONE 2500



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